



## Technology Area

### DEFINITION

<i>Name</i>	Transaction-Based Middleware
<i>Description</i>	Transaction-Based Middleware provides the distributed client/server environment with the capability to efficiently and reliably develop, implement and manage transaction applications. Transaction Processing (TP) monitor middleware controls transaction applications, performs business logic, database updates, and presentation of information to end-users.
<i>Rationale</i>	Provides application services to many clients in distributed application environments.
<i>Benefits</i>	<ul style="list-style-type: none"><li>• Supports flexible and robust business modeling and encourages reusable procedures</li><li>• Improves system performance by utilizing asynchronous processing</li><li>• Functions independently from a database and resource manager thus supporting architecture flexibility</li></ul>

### ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Interoperability Domain
<i>Specify the Discipline Name</i>	Application Interoperability

### KEYWORDS

<i>List Keywords</i>	TP Monitor, Transaction Processing Monitor, Transaction Server, Online Transaction Management, Distributed Transactions, Transaction-Oriented Applications, Transactional Applications
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### ASSOCIATED COMPLIANCE COMPONENTS

<i>List the Compliance Component Names</i>	Transaction Process Monitor Guidelines; Transaction Integrity Services; Two-Phase Commit Strategies; TP Monitor Failure Recovery Services; TP Monitor Load Balancing Service; Object-Oriented TP Monitors
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### ASSOCIATED PRODUCT COMPONENTS

<i>List the Product Component Names</i>	CICS from IBM (as TP Monitor) IMS from IBM (as TP Monitor) ADSO/IDMS from CA (as TP Monitor) Microsoft Transaction Server
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### CURRENT STATUS

<i>Provide the Current Status</i>	<input type="checkbox"/> In Development	<input type="checkbox"/> Under Review	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Rejected
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### AUDIT TRAIL

<i>Creation Date</i>	03/24/2004	<i>Date Approved / Rejected</i>	4/13/04
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<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			